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Fig. 2

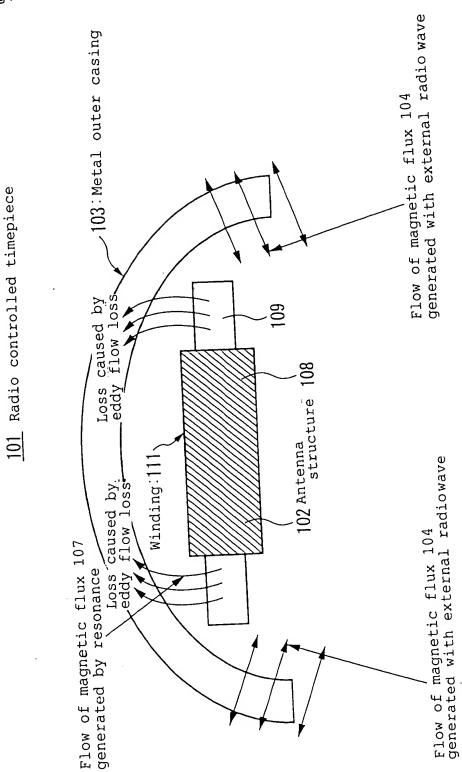


Fig. 3

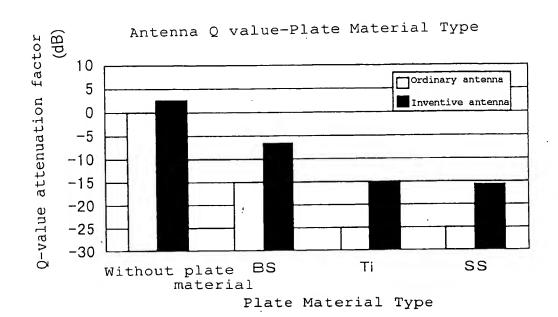


Fig. 4

Antenna Gain-Plate Material Type

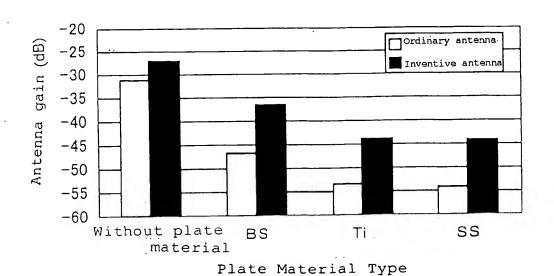
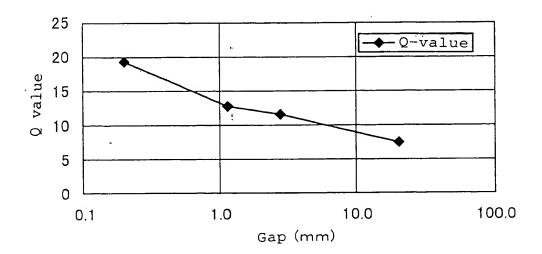
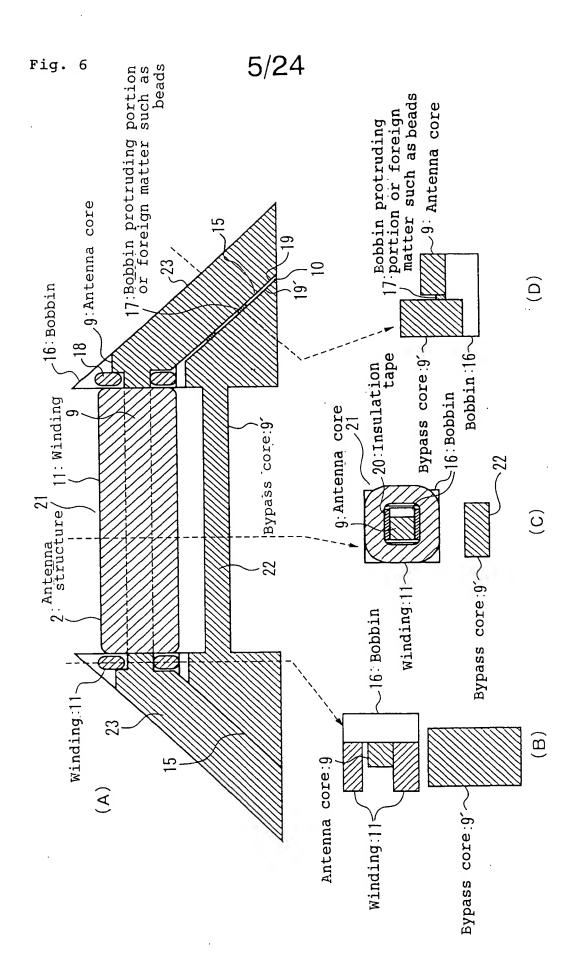


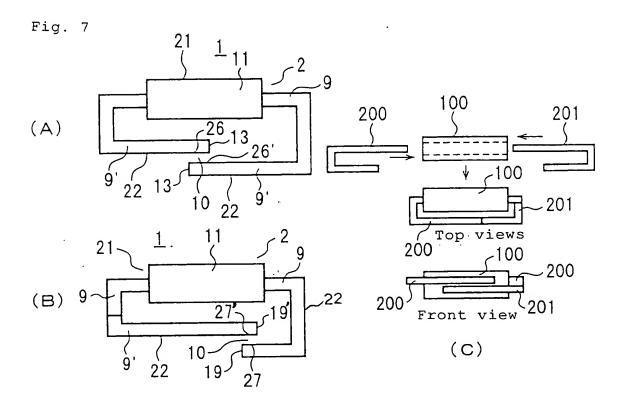
Fig. 5

Antenna Q Value-Gap Effects





6/24



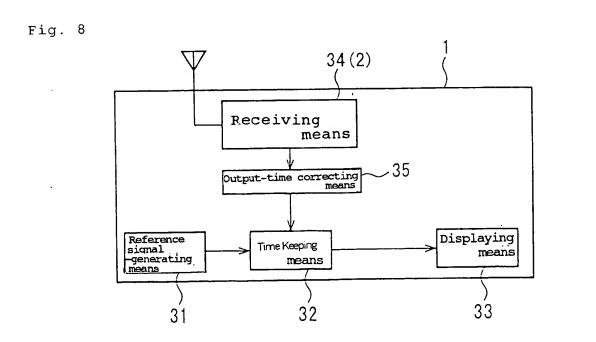


Fig. 9

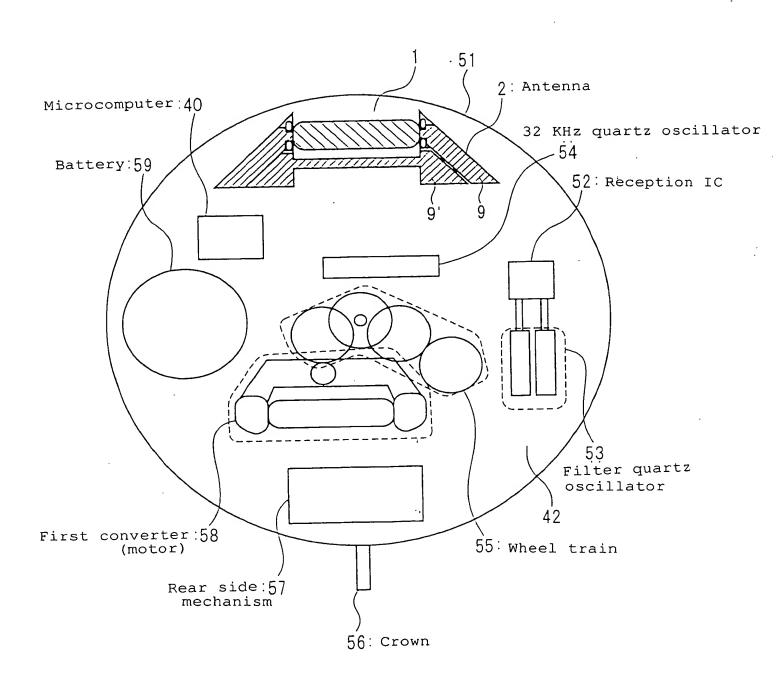


Fig. 10 .

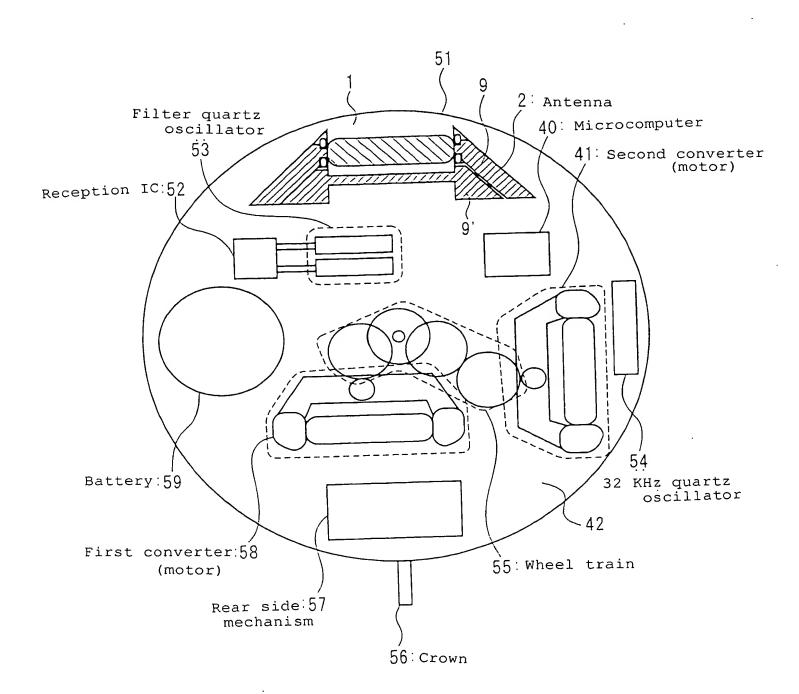


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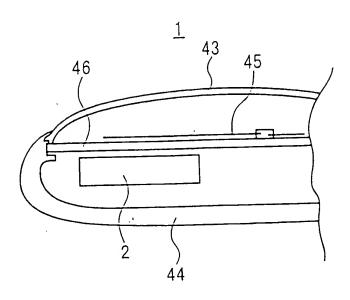


Fig. 17

Resonant Antenna Output Characteristics

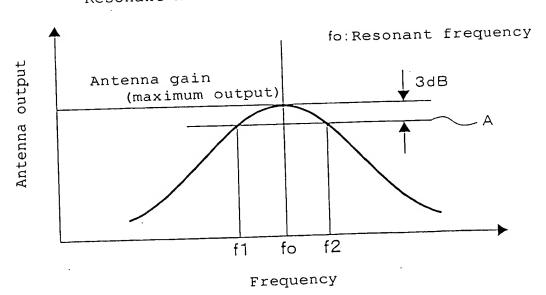


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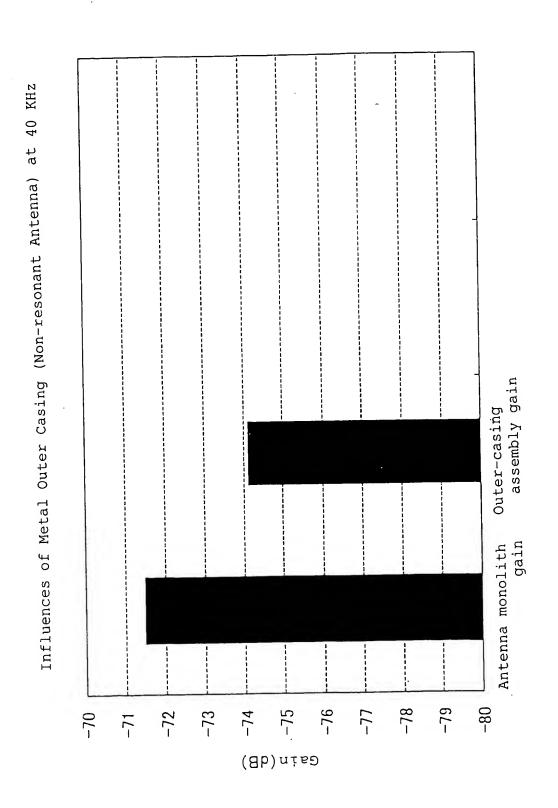


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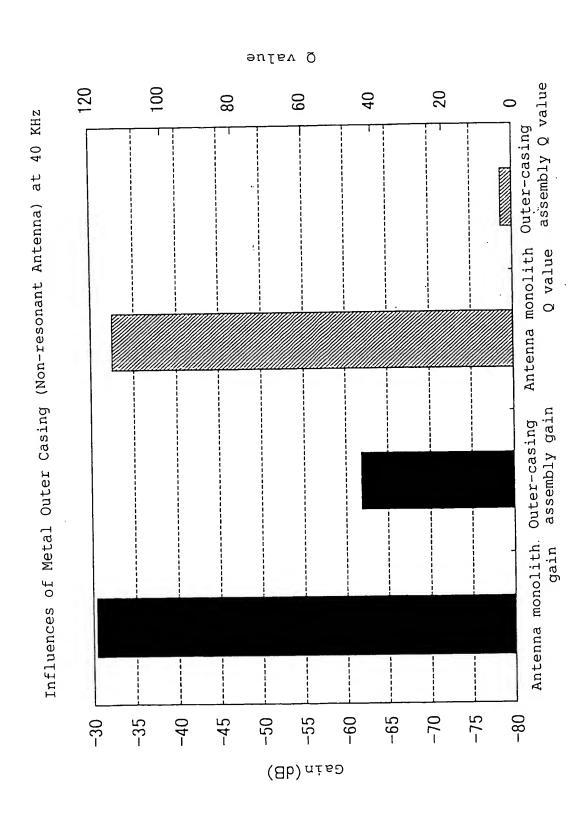


Fig. 14

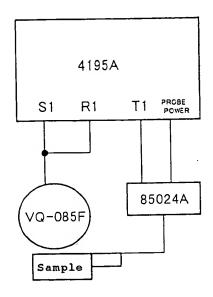


Fig. 15

Antenna-Sample Distance

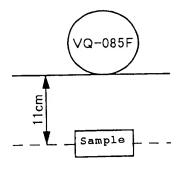
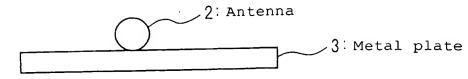


Fig. 16



Antenna-Metal plate distance:0mm

Fig. 18

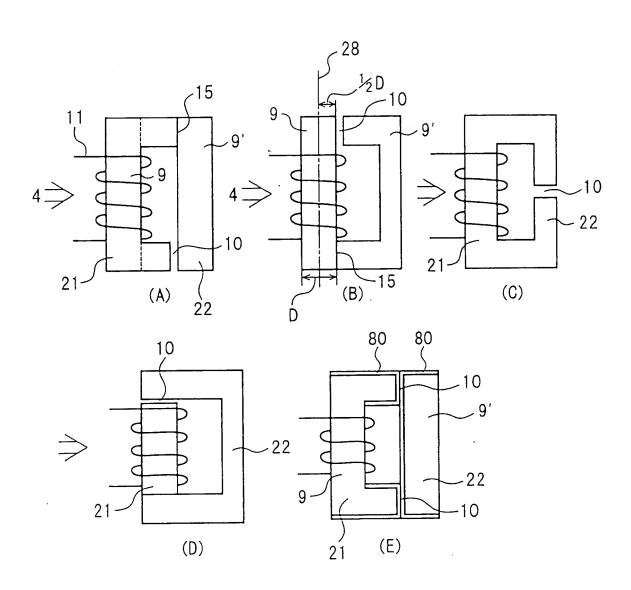


Fig. 19

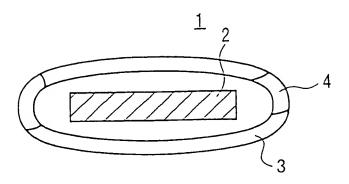
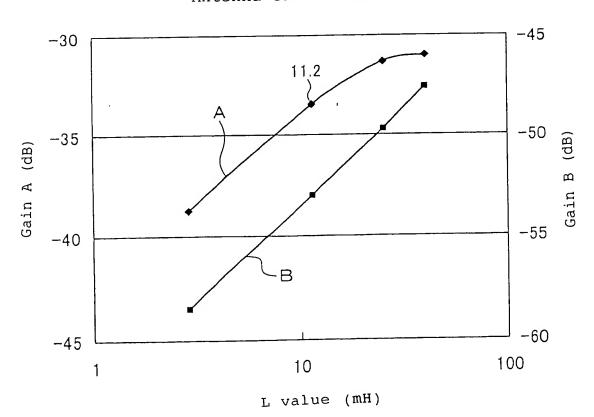


Fig. 20

Antenna Gain-L Value



ANTENNA STRUCTURE... 10/20/04 Takashi Ihara - 1912.71714 Greer, Burns & Crain, Ltd. (Patrick G. Burns) Sheet 15 of 24 (312) 360-0080

15/24

Fig. 21

Antenna Gain-Number of Turns

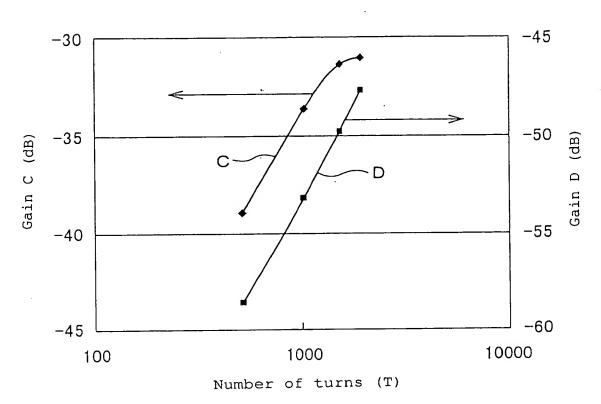
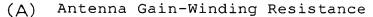
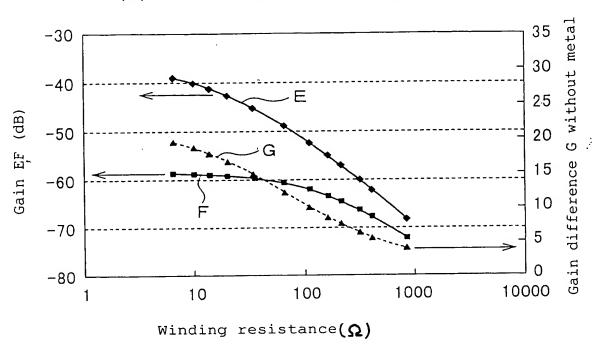


Fig. 22





(B) Number of turns: 500 T

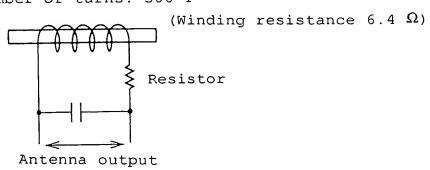


Fig. 23

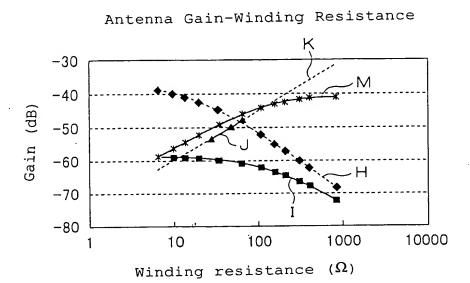


Fig. 24

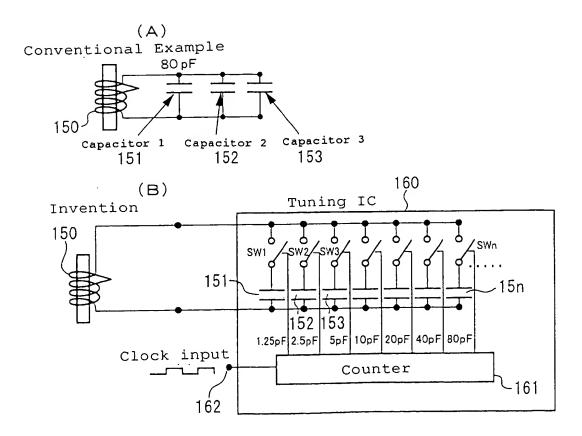


Fig. 25

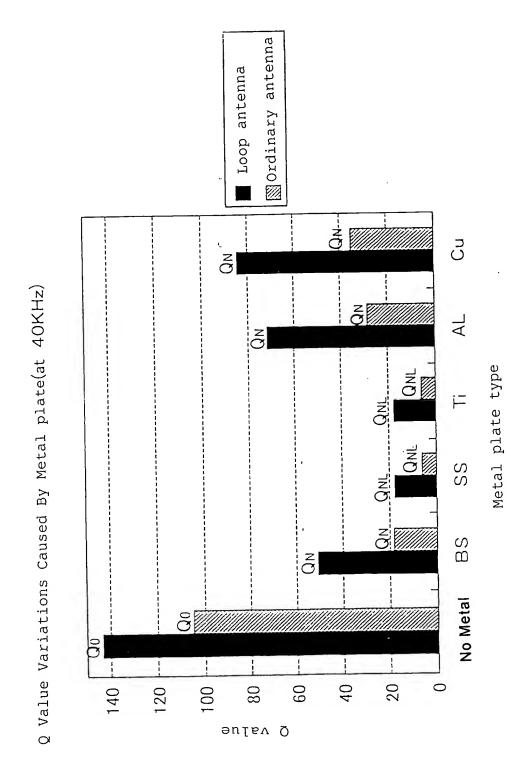


Fig. 26

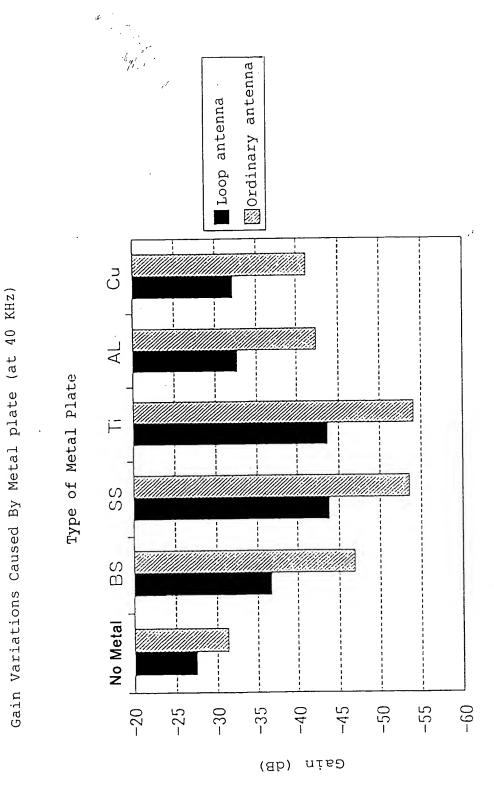
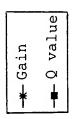


Fig. 27



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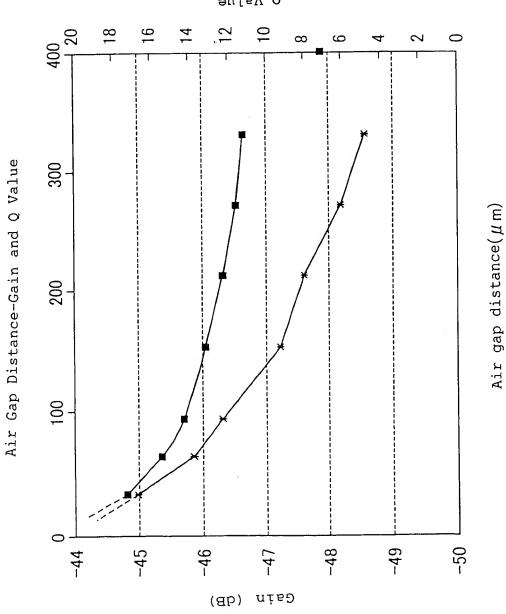


Fig. 28

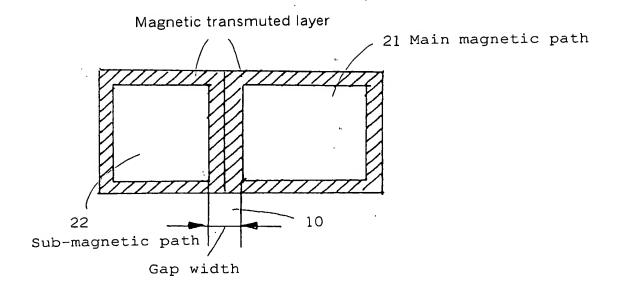
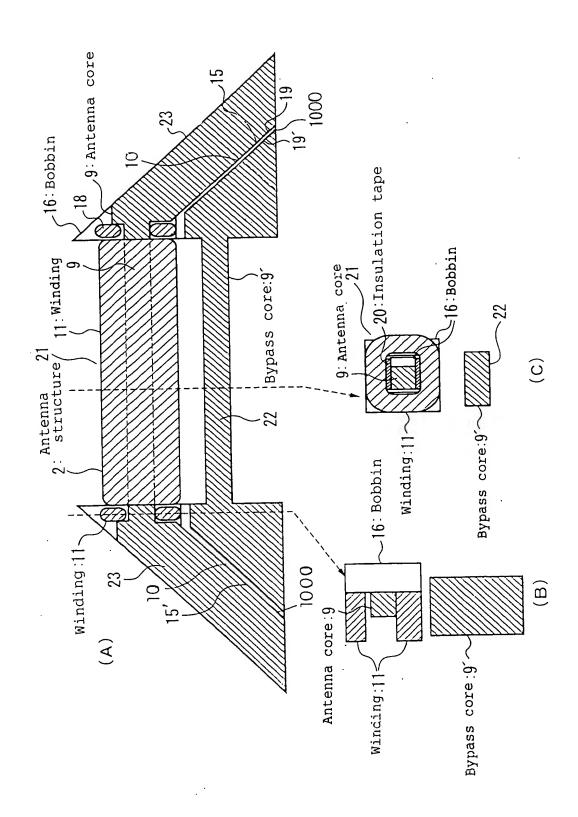


Fig. 29



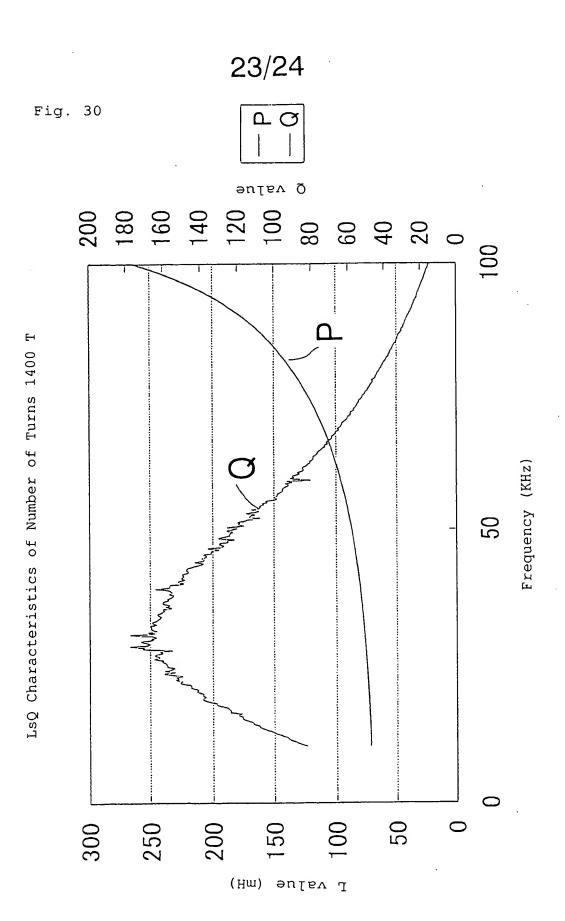
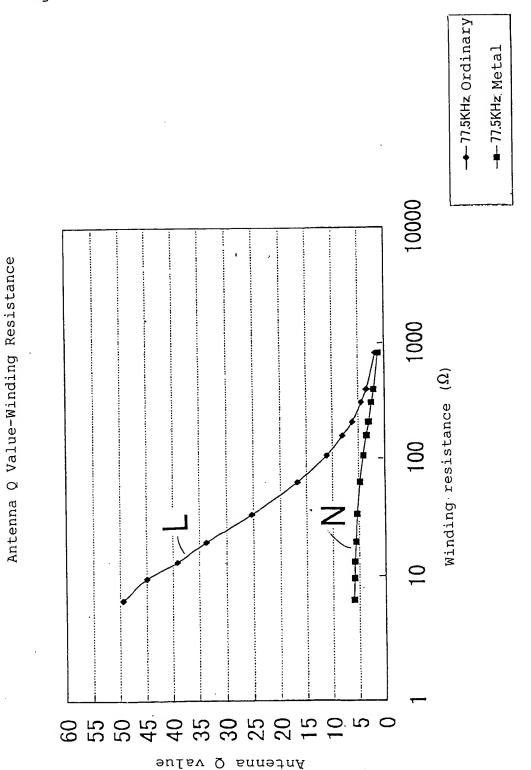


Fig. 31



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